IN THE CLAIMS

Please amend claims 11 and 17 as follows.

11. (TWICE AMENDED) An inductive plasma processor for processing a workpiece, comprising a plasma excitation coil, the coil including plural parallel connected windings, a source for supplying power to the plural parallel connected windings, variable impedance arrangements respectively coupled with the plural parallel connected windings for varying the currents flowing from the source to each of the plural parallel connected windings, and a controller for varying the total power the source supplies to the plural parallel connected windings and components of the variable impedance arrangements so that for different distributions of electromagnetic fields the coil supplies to plasma of the processor different amounts of total power are applied to the plural parallel connected windings.

17. (TWICE AMENDED) ~~The processor of claim 12 wherein the source is an RF source,~~ An inductive plasma processor for processing a workpiece, comprising a plasma excitation coil, the coil including plural parallel connected windings, an RF source for supplying power to the plural parallel connected windings, variable impedance arrangements respectively coupled with the plural parallel connected windings for varying the currents flowing from the source to each of the plural parallel connected windings, and a controller for varying (a) the impedance arrangements and (b) the total power the source supplies to the plural parallel connected windings and components of the variable impedance arrangements,

the controller being arranged for varying the total power and the variable impedance arrangements so that for different distributions of electromagnetic fields generated by and supplied by the different windings to the plasma the current flowing in one of the windings remains substantially constant and the current in the remaining windings of the coil changes,

supplied by the different windings to the plasma the current flowing in one of the windings remains substantially constant and the current in the remaining windings of the coil changes,

each of the windings including first and second end terminals and each of the impedance arrangements includes first and second variable capacitors, each of the first capacitors being connected in series with its respective first terminal for supplying RF energy from the RF source to the respective winding, each of the second capacitors being connected in series between its respective second terminal and ground, the controller being arranged for varying the values of the first and second variable capacitors.

Please cancel claims 26 and 27, without prejudice, with the right to file a divisional application thereon.